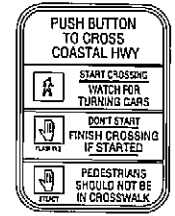


MD 528 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS  
TO BE REMOVED



81st Street  
VARIES X16"  
(2 EA.)

9"X12"  
(4 EA.)

### SPECIAL NOTE

REFER TO ROADWAY PLANS FOR SIDEWALK DETAILS.

### PROPOSED SIGNS

23a, 23b, 24a, 24b

Coastal HWY  
D-3(1) (DUAL FACED)  
72"X16"

21a, 21b, 22a, 22b

81st Street  
D-3(1) (DUAL FACED)  
72"X16"

EXISTING SIGNS  
TO BE RELOCATED

25, 26  
BUSES  
BIKES  
RIGHT TURNS  
ONLY

30"X42"

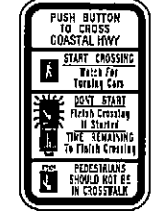
### AERIAL CABLE DETAIL

PRIMARY +40'  
NEUTRAL 28' 3"  
TELEPHONE 22' 8"  
TELEPHONE 20' 4"

GRADE

### PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

17, 18



COASTAL HWY  
R10-3(1)  
9" X 15"

19, 20

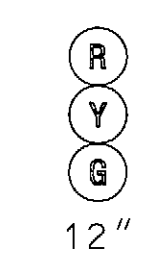


COASTAL HWY  
R10-3(1)  
9" X 15"

SOUTH MOON UNDER

### PROPOSED LED SIGNALS

7, 10



12"

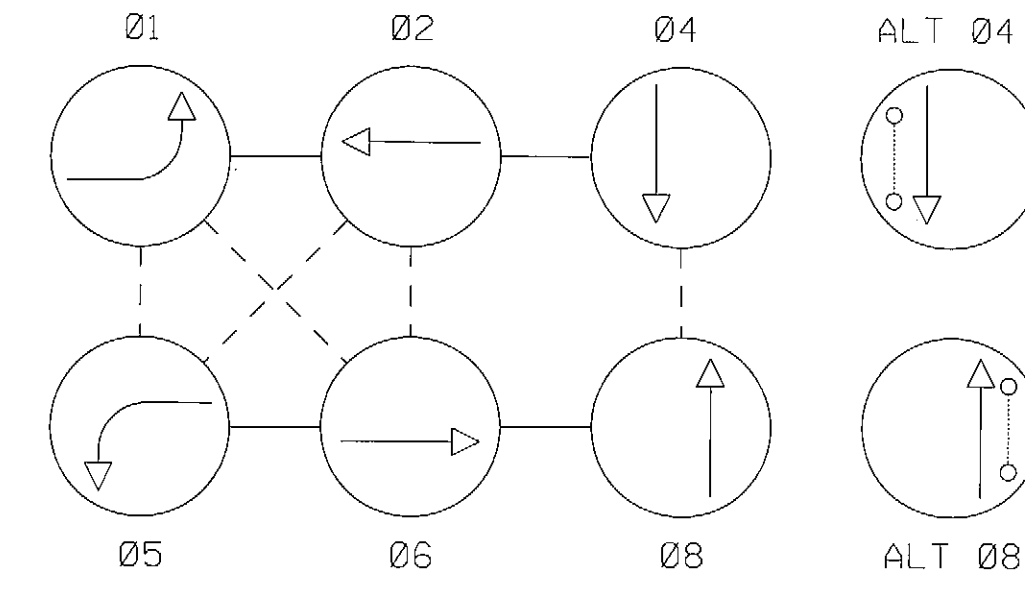
EXISTING LED SIGNALS  
TO BE RELOCATED

1, 4 2, 5 3, 6, 8, 9 13-16  
11, 12



12"/8" 12" 12" 16"

### NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TO DELAWARE STATE LINE

MD 528 (COASTAL HWY.) NB

MD 528 (COASTAL HWY.) SB

### SIGNAL HEAD DIMENSIONS

SOUTHWEST CORNER

### CONSTRUCTION DETAILS

- A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- B. INSTALL NEMA SIZE 6 TRAFFIC SIGNAL CABINET AND CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT AND APS CENTRAL CONTROL UNIT. NOTE: INSTALL 2-2 IN. & 2-4 IN. CONDUIT BENDS IN CABINET BASE. CABINET FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- C. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 70 FT./50 FT. MAST ARMS, LED SIGNAL HEAD, VIDEO DETECTION CAMERAS, SIGNS, RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, RELOCATED LED SIGNAL HEADS, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK) AND RELOCATED SIGN. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- D. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 70 FT./50 FT. MAST ARMS, LED SIGNAL HEAD, VIDEO DETECTION CAMERAS, SIGNS, RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, RELOCATED LED SIGNAL HEADS, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK), ELECTRICAL SERVICE EQUIPMENT AND WEATHERHEAD. NOTE: INSTALL 1-3 IN. & 1-2 IN. CONDUIT BENDS IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- E. INSTALL 3 INCH RIGID PVC CONDUIT RISER AND 3 INCH WEATHERHEAD ON EXISTING UTILITY POLE FOR INTERCONNECT CABLE. OVERHEAD INTERCONNECT CABLE SHALL BE REPLACED FROM THE TRAFFIC SIGNAL AT 77TH STREET TO THE SOUTH (1550 FT.) AND THE TRAFFIC SIGNAL AT 85TH TO THE NORTH (1550 FT.). 20 FT. OF SLACK SHALL BE COILED IN HANDHOLES AT 77TH STREET INTERSECTION. 50 FT. OF SLACK SHALL BE COILED AT HANDHOLES AT 85TH STREET INTERSECTION TO ACCOMMODATE MODIFICATIONS AT THESE INTERSECTIONS IN FUTURE PHASES OF WORK.

F. RELOCATED OVERHEAD ELECTRICAL UTILITY SERVICE FEED BY UTILITY COMPANY FROM UTILITY POLE #62278 94354.

G. PROPOSED SYSTEM VIDEO DETECTION ZONE.

H. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB CONDUIT AT UTILITY POLE.

I. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

J. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

K. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 4 INCH SCHEDULE 80  
RIGID PVC CONDUIT - TRENCHED.

M. INSTALL ELECTRICAL HANDHOLE.

### AERIAL CABLE DETAIL

PRIMARY 35' 10"  
NEUTRAL 28' 7"  
INTERCONNECT 21' 6"  
TELEPHONE 21' 0"

GRADE

N. REMOVE EXISTING HANDHOLE. CAP & ABANDON EXISTING CONDUIT.

O. REMOVE EXISTING MAST ARM POLE AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. RELOCATE LED SIGNAL HEADS AND LED PEDESTRIAN SIGNAL HEAD.

P. REMOVE EXISTING CABINET. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK.

Q. PROPOSED VIDEO DETECTION ZONE 1 FT. BEHIND STOP LINE.

R. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

S. INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

T. REMOVE EXISTING PAVEMENT MARKING LINE.

U. REMOVE EXISTING PEDESTAL POLE. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. RELOCATE LED PEDESTRIAN SIGNAL HEAD.

V. RELOCATED FIRE HYDRANT BY TOWN OF OCEAN CITY FORCES. CONTACT BILL BRATTEN AT OCEAN CITY DPW 410-524-4733 TO COORDINATE RELOCATION.

W. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS.

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 528 (COASTAL HWY.) AT 81ST ST.  
OCEAN CITY, MARYLAND

### TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 10-29-85 CONTRACT NO. 855-25004

DESIGNED BY W. RICHARDSON COUNTY WORCESTER

DRAWN BY W. RICHARDSON LOGMILE 23052803.61

CHECKED BY TH TMS NO. K186

FAP NO. TOD NO.

TS NO. 2122C DRAWING SG-1 OF 4 SHEET NO. 1 OF 7

RK&K

Rummel, Klepper & Kahl, LLP

81 MOSHER STREET | BALTIMORE, MD 21217

PH (410) 728-2600 FAX (410) 728-3160

Engineers Construction Managers Planners Scientists  
www.rkk.com

APPROVALS	REVISIONS
TEAM LEADER	(C) RECONSTRUCT SIGNAL TO MEET ADA REQUIREMENTS 10-29-85
ASSY. DIV. CHIEF	BUG 10/27/85 208 RPK/ANL
DIVISION CHIEF	B INSTALL RESTRICTED RIGHT LANE SIGNS AT 9095185 5-1-08
OFFICE DIRECTOR	MR REPLACE LOOP DETECTOR FOR E/B 81ST 5-89
	RFL

PLOTTED: Friday, January 15, 2010 AT 09:57 AM  
FILE: \\p001\2007\2007\07056\_ahahdd\jask06\_md\_528\_sda\cadd\81st Street\p8g-P000\_81st.dgn

BY: BUG